Allied Telesis™

AT-2750TX
Fast Ethernet Secure Copper Interface Card

AT-2750TX
100TX 32-bit, PCI 2.2 compliant secure copper interface card

Secure Copper Network Interface Card

The AT-2750TX secure interface card hardens at-risk systems without impacting performance. It features an embedded security processor to offload encryption, authentication, and other cycle-intensive tasks from the host CPU— resulting in optimal system and application response. The types of encryption supported are DES, 3DES, FIPS capable (not certified) and AES (upon Vista release - pending).

Encryption
DES: The Data Encryption Standard (DES) is a 56-bit key method for encrypting information selected as an official Federal Information Processing Standard (FIPS) for the United States in 1976.

3DES: The Triple Data Encryption Standard (3DES) is the successor of DES, and uses a 168-bit sized key. 3DES is very secure.

AES: Advanced Encryption Standard (AES) is a block cipher adopted as an encryption standard by the US government. It has been analyzed extensively and is now used widely worldwide. AES was announced by the National Institute of Standards and Technology (NIST) as US FIPS PUB 197 (FIPS 197) and became a standard in May 26, 2002.

FIPS: The Federal Information Processing Standard 140 (FIPS) are a series of US government computer security standards that specify requirements for cryptography modules.

Key Features

Advance Properties
• Secured transmission

• PCI 2.2 capable

• Low profile and standard height brackets included

• RoHS compliant

• 3DES

• AES

• IPv6

• Compliant with Trade Agreement Act

AT-2750TX | Fast Ethernet Secure Copper Interface Card

Specifications

Bus Type
PCI 2.2

Ethernet Standards
IEEE 802.2	LLC
IEEE 802.3ac	MAC
IEEE 802.3	10 Ethernet
IEEE 802.3u	Fast Ethernet

Drivers
Supported
Windows XP

Compliance
UL
FCC/EN55022 Class B
TUV
EN55024
CE

Environmental Specifications
Operating temperature	0°C to 50°C
Storage temperature	-25°C to 70°C
Relative humidity	5% to 90% non-condensing

Power
Power consumption	4 Watts (max)
Signaling voltage	3.3/5V

Status Indicators
LED		2 ports
10	ON	10Mbps link up
	OFF	10Mbps link down
100	ON	100Mbps link up
	OFF	100Mbps link down

Physical Characteristics
Dimensions	16.8cm x 6.9cm
(W x H)	(6.7") x (2.7")
Weight	0.34lbs (0.15kg)

Ships with standard bracket attached to interface card. Low-profile bracket is included in packaging.

BootROM Socket
32-pin PLCC socket (BootROM ordered separately)

Maximum Cabling Distances
10T	100m
100TX	100m

Ethernet Interface
10T (10Mbps)	2 pair EIA/TIA category 3, 4 or 5
100TX (100Mbps)	2 pair EIA/TIA category 5

Reliability
Calculated MTBF > 300,000 hours

Connectors
RJ-45

UTP Interface
Connector shielded RJ-45, MDI	
Optical receive sensitivity (max)	-31dBm
Transmit optical power (min/max)	-19/-14dBm

Ordering Information

AT-2750TX
100TX 32-bit, PCI 2.2 compliant secure copper interface card

Ships with standard bracket attached to interface card. Low-profile bracket is included in packaging.

Connecting The (IP) World

Allied Telesis